

著作目録(樋渡宏一)

著者	東北大学史料館
号	230
発行年	1984-03
URL	http://hdl.handle.net/10097/63457

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昭和 59 年 3 月

東北大学記念資料室

(著作目録第 230 号)

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著 作 目 録

論 文

- 樋渡宏一 (1947)
数種海産動物に対する昇汞及び硫酸銅の毒作用形式. 生態学研究10 : 34-38.
- 樋渡宏一 (1947)
ゾウリムシの接合の研究 1. 本邦に於ける *Paramecium caudatum* の交配型及び群. 生態学研究10 : 79-82.
- 樋渡宏一 (1949)
ゾウリムシ *Paramecium caudatum* の収縮胞に及ぼす数種薬品の形態学的作用. 生理生態 3 : 96-101.
- Koichi Hiwatashi (1949)
Studies on the conjugation of *Paramecium caudatum*. I. Mating types and groups in the races obtained in Japan. Science Report Tohoku University, Ser. IV, 18 : 137-140.
- Koichi Hiwatashi (1949)
Studies on the conjugation of *Paramecium caudatum*. II. Induction of the pseudo-selfing pairs by formalin killed animals. Science Report Tohoku University, Ser. IV, 18 : 141-143.
- 樋渡宏一 (1950)
ゾウリムシの交配型と遺伝に関する最近の研究梗概 (総合抄録). 実験形態学 6 : 51-78.
- 樋渡宏一 (1950)
Paramecium caudatum の死体によって誘導された接合対の性質と誘導の要因について. 山形大学紀要 (自然科学), 1 : 165-172.
- Koichi Hiwatashi (1950)
Studies on the conjugation of *Paramecium caudatum*. III. Some properties of the mating type substances. Science Report Tohoku University, Ser. IV, 18 : 270-275.
- 樋渡宏一 (1951)
Paramecium caudatum の接合に及ぼす培養液及びゾウリムシ密度の影響. 山形大学紀要 (自然科学), 1 : 281-286.
- 樋渡宏一 (1951)
Paramecium caudatum の交配反応及び接合に及ぼす pH の影響. 山形大学紀要 (自然科学) 1 : 287-290.
- Koichi Hiwatashi (1951)
A new method for separating animals of one mating type from their partners in a conjugating mixture of *Paramecium*. Annotationes Zoologicae Japonenses 24 : 83-84.

Koichi Hiwatashi (1951)

Studies on the conjugation of *Paramecium caudatum*. IV. Conjugating behavior of individuals of two mating types marked by a vital staining method.

Science Report Tohoku University, Ser. IV, 19 : 95-99.

樋渡宏一 (1952)

本邦で得られた *Paramecium aurelia* の Killer について.

山形大学紀要 (自然科学), 2 : 49-52.

Koichi Hiwatashi (1952)

Double monsters of *Paramecium caudatum* formed by the treatment of conjugating pairs with the specific antiserum.

Science Report Tohoku University, Ser. IV, 19 : 275-281.

樋渡宏一 (1954)

我国から得られた *Paramecium caudatum* の新変種について.

日本生態学会誌 4 : 65-66.

樋渡宏一 (1954)

ゾウリムシの交配型と接合.

実験形態学 8 : 67-69.

Isao Motomura and Koichi Hiwatashi (1954)

Further note on the inhibition and acceleration of the toughening of the fertilization membrane in the sea urchin's egg.

Science Report Tohoku University, Ser. IV, 20 : 219-225.

Koichi Hiwatashi (1955)

Studies on the conjugation of *Paramecium caudatum*. V. The time of the initiation of nuclear activation.

Science Report Tohoku University, Ser. IV, 21 : 199-205.

Koichi Hiwatashi (1955)

Studies on the conjugation of *Paramecium caudatum*. VI. On the nature of the union of conjugation.

Science Report Tohoku University, Ser. IV, 21 : 207-218.

Koichi Hiwatashi (1958)

Inheritance of mating types in variety 12 of *Paramecium caudatum*.

Science Report Tohoku University, Ser. IV, 24 : 119-129.

Koichi Hiwatashi (1959)

Induction of conjugation by ethylenediamine tetraacetic acid (EDTA) in *Paramecium caudatum*.

Science Report Tohoku University, Ser. IV, 25 : 81-90.

Koichi Hiwatashi (1960)

Analyses of the change of mating type during vegetative reproduction in *Paramecium caudatum*.

Japanese Journal of Genetics 35 : 213-221.

Koichi Hiwatashi (1960)

An aberrant selfing strain of *Paramecium caudatum* which shows multiple unions of conjugation.

Journal of Protozoology 7 : (suppl.), 20.

- Koichi Hiwatashi (1960)
 Locality of mating reactivity on the surface of *Paramecium*.
 Journal of Protozoology 7 : (suppl.), 20.
- Koichi Hiwatashi (1960)
 Inheritance of difference in the life features of *Paramecium caudatum*, syngen 12.
 Bulletin of the Marine Biological Station Asamushi, 10 : 157-159.
- Koichi Hiwatashi and Tokuhiko Kasuga (1960)
 Artificial induction of conjugation by manganese ion in *Paramecium caudatum*.
 Journal of Protozoology. 7 : (suppl.), 20-21.
- Koichi Hiwatashi (1961)
 Locality of mating reactivity on the surface of *Paramecium caudatum*.
 Science Report Tohoku University, Ser. IV, 27 : 93-99.
- Koichi Hiwatashi and Mihoko Takahashi (1967)
 Inhibition of mating reaction by antisera without ciliary immobilization in *Paramecium*.
 Science Report Tohoku University, Ser. IV, 33 : 281-290.
- Koichi Hiwatashi (1967)
 Serotype inheritance and serotypic alleles in *Paramecium caudatum*.
 Genetics 57 : 711-717.
- Koichi Hiwatashi (1968)
 Determination and inheritance of mating type in *Paramecium caudatum*.
 Genetics 58 : 373-386.
- Koichi Hiwatashi (1968)
 Genetic and epigenetic control of mating type in *Paramecium caudatum*.
 Proceedings of XII International Congress of Genetics 2 : 259-260.
- Koichi Hiwatashi (1969)
Paramecium.
 In 'Fertilization II' (C. B. Metz & A. Monroy, eds.), pp.255-293, Academic Press, New York.
- Koichi Hiwatashi and Mihoko Takahashi (1969)
 Analysis of the expression of mating-type alleles in *Paramecium caudatum*.
 Progress in Protozoology (Nauka, Leningrad), 114.
- Koichi Hiwatashi (1969)
 Genetic and epigenetic control of mating type in *Paramecium caudatum*.
 Japanese Journal of Genetics 44 : (suppl. 1), 383-387.
- Isoji Miwa and Koichi Hiwatashi (1970)
 Effect of mitomycin C on the expression of mating ability in *Paramecium caudatum*.
 Japanese Journal of Genetics 45 : 269-275.

- Mihoko Takahashi and Koichi Hiwatashi (1970)
Disappearance of mating reactivity in *Paramecium caudatum* upon repeated washing.
Journal of Protozoology 17 : 667-670.
- Tsukasa Fukushi and Koichi Hiwatashi (1970)
Preparation of mating reactive cilia from *Paramecium caudatum* by $MnCl_2$.
Journal of Protozoology 17 : (suppl.), 21.
- Tsuyoshi Watanabe and Koichi Hiwatashi (1971)
Induction of selfing pairs by PHA-M in *Paramecium caudatum*.
Journal of Protozoology 18 : (suppl.), 28.
- Shimaru Sasaki, Akira Ito, Akio Kitamura and Koichi Hiwatashi (1972)
Mating type specific antigen in *Paramecium caudatum*. Genetics 71 : s55.
- 高橋三保子・樋渡宏一 (1972)
Paramecium における接合能力の喪失と回復. 細胞生物学シンポジウム23 : 259-265.
- Koichi Hiwatashi and Isoji Miwa (1973)
A factor controlling immaturity in *Paramecium*. Genetics 74 : s116.
- Koichi Hiwatashi (1973)
Mating substances in *Paramecium caudatum*.
Progress in Protozoology (Clermont-Ferrand), 185.
- Mihoko Takahashi and Koichi Hiwatashi (1974)
Potassium: A factor necessary for the expression of mating reactivity in *Paramecium caudatum*.
Experimental Cell Research 85 : 23-30.
- Mihoko Takahashi, Nobuo Takeuchi and Koichi Hiwatashi (1974)
Mating agglutination of cilia detached from complementary mating types of *Paramecium*.
Experimental Cell Research 87 : 415-417.
- Toshiro Sugai and Koichi Hiwatashi (1974)
Cytologic and autoradiographic studies of the micronucleus at meiotic prophase in *Tetrahymena pyriformis*.
Journal of Protozoology 21 : 542-548.
- Koichi Hiwatashi and Koji Myohara (1974)
A suppressor gene controlling the dominant mating type allele in *Paramecium caudatum*. Genetics 77 : s31.
- Koichi Hiwatashi (1974)
Conjugation and genetics in free-living protozoa.
Actualités Protozoologiques (Clermont-Ferrand) 1 : 129-134.
- Koji Myohara and Koichi Hiwatashi (1975)
Temporal patterns in the appearance of mating type instability in *Paramecium caudatum*.
Japanese Journal of Genetics 50 : 133-139.
- Koji Myohara and Koichi Hiwatashi (1975)
A temperature sensitive cell division mutant in *Paramecium caudatum*.
Japanese Journal of Genetics 50 : 273-275.

- Isoji Miwa, Nobuyuki Haga and Koichi Hiwatashi (1975)
Immaturity substances: Material basis for immaturity in *Paramecium*.
Journal of Cell Science 19 : 369-378.
- Kazuyuki Mikami and Koichi Hiwatashi (1975)
Macronuclear regeneration and cell division in *Paramecium caudatum*.
Journal of Protozoology 22 : 536-540.
- Akio Kitamura and Koichi Hiwatashi (1976)
Mating-reactive membrane vesicles from cilia of *Paramecium caudatum*.
Journal of Cell Biology 69 : 736-740.
- Koichi Hiwatashi and Koji Myohara (1976)
A modifier gene involved in the expression of the dominant mating type allele in *Paramecium caudatum*.
Genetical Research 27 : 135-141.
- Koichi Hiwatashi and Akio Kitamura (1977)
Mating reactive membrane vesicles and their reconstitution in *Paramecium caudatum*.
Proceedings of the 5th International Congress of Protozoology (New York) 275.
- Masahiro Fujishima and Koichi Hiwatashi (1977)
An early step in initiation of fertilization in *Paramecium*: Early micronuclear migration.
Journal of Experimental Zoology 201 : 127-134.
- Akio Kitamura and Koichi Hiwatashi (1978)
Are sugar residues involved in the specific cell recognition of mating in *Paramecium*?
Journal of Experimental Zoology 203 : 99-108.
- Masahiro Fujishima and Koichi Hiwatashi (1978)
Transplantation of germ nucleus in *Paramecium caudatum*. I. Nuclei in the pre-meiotic S phase can enter into mitotic cycle.
Experimental Cell Research 111 : 468-471.
- Yuuji Tsukii and Koichi Hiwatashi (1978)
Inhibition of early events of sexual processes in *Paramecium* by concanavalin A.
Journal of Experimental Zoology 205 : 439-446.
- Koji Myohara and Koichi Hiwatashi (1978)
Mutants of sexual maturity in *Paramecium caudatum* selected by erythromycin resistance.
Genetics 90 : 227-241.
- Yuuji Tsukii and Koichi Hiwatashi (1979)
Artificial induction of autogamy in *Paramecium caudatum*.
Genetical Research 34 : 163-172.
- Akio Kitamura and Koichi Hiwatashi (1980)
Reconstitution of mating active membrane vesicles in *Paramecium*.
Experimental Cell Research. 125 : 486-489.

- Koichi Hiwatashi, Nobuyuki Haga and Mihoko Takahashi (1980)
Restoration of membrane excitability in a behavioral mutant of *Paramecium caudatum* during conjugation and by microinjection of wild-type cytoplasm.
Journal of Cell Biology 84 : 476-480.
- Akio Kitamura, Hiroshi Onimaru, Yutaka Naitoh and Koichi Hiwatashi (1980)
Ciliary inactivation following sexual cell recognition in *Paramecium*.
Development, Growth and Differentiation 22 : 722.
- Nobuyuki Haga and Koichi Hiwatashi (1980)
Immaturin: A Protein controlling sexual immaturity in *Paramecium*.
European Journal of Cell Biology 22(1) : 232.
- Koichi Hiwatashi (1981)
Sexual interactions of the cell surface in *Paramecium*.
In 'Sexual Interactions in Eukaryotic Microbes' (D. H. O'Day & P. A. Horgen, eds.), pp. 351-378, Academic Press, New York.
- Terue Harumoto and Koichi Hiwatashi (1981)
Transplantation of chromatin in *Paramecium*. Cell Structure and Function 6 : 467.
- Koichi Hiwatashi and Akio Kitamura (1981)
Ciliary membranes in the mating reaction of *Paramecium*.
Progress in Protozoology, (Warszawa), 140.
- Nobuyuki Haga and Koichi Hiwatashi (1981)
A protein called immaturin controlling sexual immaturity in *Paramecium*.
Nature 289 : 177-179.
- Masahiro Fujishima and Koichi Hiwatashi (1981)
Transplantation of germ nuclei in *Paramecium caudatum*. II. Induction of meiosis in transplanted interphase nucleus.
Experimental Cell Research 131 : 63-71.
- Nobuyuki Haga and Koichi Hiwatashi (1981)
A soluble gene product controlling membrane excitability in *Paramecium caudatum*.
Progress in Protozoology (Warszawa), 128.
- Setsuko Karino and Koichi Hiwatashi (1981)
Analysis of germinal aging in *Paramecium caudatum* by micronuclear transplantation.
Experimental Cell Research 136 : 407-415.
- Terue Harumoto and Koichi Hiwatashi (1982)
Transplantation of synkaryon in *Paramecium caudatum*: Analysis of its competence as germ nucleus.
Experimental Cell Research 137 : 476-481.
- Nobuyuki Haga and Koichi Hiwatashi (1982)
A soluble gene product controlling membrane excitability in *Paramecium*.
Cell Biology International Reports 6 : 295-300.

Yuuji Tsukii and Koichi Hiwatashi (1983)

Genes controlling mating-type specificity in *Paramecium caudatum*: Three loci revealed by intersynthetic crosses. Genetics 104: 41-62.

Koichi Hiwatashi and Mihoko Takahashi (1984)

Genes and gene products that control the avoiding reaction in *Paramecium*.

In 'Animal Behavior: Neurophysiological and Ethological Approaches' (K. Aoki, S. Ishii & H. Morita, eds.), pp.31-35, Japan Sci. Soc. Press, Tokyo & Springer-Verlag., Berlin.

Koichi Hiwatashi and Akio Kitamura (1984)

Fertilization in *Paramecium*.

In 'Biology of Fertilization' (C.B. Metz & A. Monroy, eds.), in press., Academic Press, New York.

Akio Kitamura and Koichi Hiwatashi (1984)

Inactivation of cell movement following sexual cell recognition in *Paramecium caudatum*. Biological Bulletin 166: 156-166.

Akio Kitamura and Koichi Hiwatashi (1984)

Cell contact and the activation of conjugation in *Paramecium*.

Zoological Science 1: in press.

Akio Kitamura and Koichi Hiwatashi (1984)

A possible mechanism of chemical induction of conjugation in *Paramecium*: Importance of cationic exchange on the cell surface.

Journal of Experimental Zoology, in press.

著 書

樋渡宏一 (1982)

ゾウリムシの性と遺伝

UP Biology, 東京大学出版会

編 集

現代生物学大系

中山書店 1972年

原生動物図鑑

講談社 1981年

単行本分担任執筆

- Koichi Hiwatashi (1956)
Handbook of Biological Data. W. S. Spector (ed.), W. B. Saunders Co., Philadelphia.
- 樋渡宏一 (1956)
遺伝学ハンドブック 篠遠喜人他編, 技報堂
- 樋渡宏一 (1969)
続生物物理学講座11 細胞生物物理研究法 I 日本生物物理学会編
- 樋渡宏一 (1972)
エイジングの生物学 日本発生生物学会編, 岩波書店
- 樋渡宏一 (1973)
現代の遺伝学 I. 核と細胞質の遺伝 大島長造他編, 朝倉書店
- 樋渡宏一 (1975)
微生物学実験法 微生物研究法懇談会編, 講談社
- 樋渡宏一 (1975)
現代生物科学 9, 運動と行動 岡島 昭, 丸山工作編, 岩波書店
- 樋渡宏一 (1976)
老年学 太田邦夫他編, 朝倉書店
- 樋渡宏一 (1977)
生物学辞典 第2版 山田常雄他編, 岩波書店
- 樋渡宏一 (1983)
生物学辞典 第3版 // //
- 樋渡宏一 (1977)
受精の生物学 日本発生生物学会編, 岩波書店
- 樋渡宏一 (1978)
ホルモンの生物科学 4, ホルモンと生殖 I 日本比較内分泌学会編, 学会出版センター
- 樋渡宏一・菅井俊郎 (1978)
新しい細胞遺伝学 田中信徳編, 朝倉書店
- 樋渡宏一・北村昭夫 (1980)
現代生物学大系11 a, 発生分化 A 金谷晴夫他編, 中山書店
- 樋渡宏一 (1981)
ライフサイエンスの現状と将来 理化学研究所編
- 樋渡宏一, 北村昭夫, 月井雄二, 狩野節子, 春本晃江 (1981)
原生動物細胞 野沢義則編, 講談社

樋渡宏一 (1981)
原生動物図鑑

猪木正三監修 (樋渡宏一他編), 講談社

樋渡宏一 (1982)
性行動のメカニズム

産業図書出版

樋渡宏一・月井雄二 (1982)
微生物遺伝学実験法

石川辰夫編, 共立出版社

樋渡宏一・若原宏爾 (1982)
実験生物学講座 I, 生物材料調整法

江上信雄・勝見允行編, 丸善

そ の 他

樋渡宏一 (1961)
ゾウリムシの交配型の遺伝における核と細胞質の関係について. 核と細胞質 1 : 24-30.

樋渡宏一 (1961)
ソネボーンの研究室にて. 核と細胞質 2 : 36.

樋渡宏一 (1969)
ゾウリムシの接合型物質と遺伝子. 化学と生物 7 : 106-107.

樋渡宏一 (1974)
キネトゾーム, 蛋白質・核酸・酵素 19 : 1208-1210.

樋渡宏一 (1974)
特集「真核細胞の染色体外遺伝子」一序にかえて— 蛋白質・核酸・酵素 19 : 1177.

樋渡宏一・北村昭夫 (1974)
ゾウリムシの接合と細胞の相互認識. 遺伝 28 : 42-46.

樋渡宏一 (1976)
加齢研究実験モデルとしてのゾウリムシ. 医学のあゆみ 97 : 498-500.

北村昭夫・樋渡宏一 (1976)
ゾウリムシの細胞認識分子. 化学と生物 14 : 780-782.

樋渡宏一 (1978)
ゾウリムシの世界. 自然 33 : 60-70.

樋渡宏一 (1978)
エイジングの生化学② 老化と死はゾウリムシにも. 科学朝日 2 : 127-132.

